

Appl. No. 10/792,301
Examiner: VO, ANH T N, Art Unit 2861
In response to the Office Action dated December 20, 2005

Date: March 20, 2006
Attorney Docket No. 10113851

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (original): An inkjet cartridge comprising:

a body including a first chamber, a second chamber, a third chamber, a first exit, a second exit, a third exit, an opening, and a channel, wherein ink is received in the first chamber, the second chamber, and the third chamber respectively, the second chamber communicates with the second exit so that the ink in the second chamber flow directly to the second exit, the third chamber communicates with the third exit so that the ink in the third chamber flow directly to the third exit, and the channel communicates the first chamber and the first exit so that the ink in the first chamber flows to the first exit via the channel; and
a seal member, disposed on the channel via the opening, for sealing the channel and preventing the ink in the first chamber flowing through the first exit from flowing out of the opening.

Claim 2 (original): The inkjet cartridge as claimed in claim 1, further comprising:

a chip including a first hole, a second hole, and a third hole, wherein the chip is disposed on the body in a manner such that the first hole, the second hole, and the third hole correspond to one of the first exit, the second exit, and the third exit respectively.

Claim 3 (original): The inkjet cartridge as claimed in claim 2, wherein the first hole is located between the second hole and the third hole, the second hole and the second exit are overlapping, and the third hole and the third exit are overlapping.

Claim 4 (original): The inkjet cartridge as claimed in claim 3, further comprising:

a first divider plate for separating the first chamber and the second chamber, wherein the first hole, the second hole, and the third hole are aligned in a straight line, the straight line is substantially parallel with the first divider plate.

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Claim 5 (original): The inkjet cartridge as claimed in claim 2, wherein the third hole is located between the first hole and the second hole, the second hole and the second exit are overlapping, and the third hole and the third exit are overlapping.

Claim 6 (original): The inkjet cartridge as claimed in claim 5, further comprising:

a second divider plate for separating the second chamber and the third chamber; and
a third divider plate for separating the first chamber and the second chamber.

Claim 7 (original): The inkjet cartridge as claimed in claim 6, wherein the first hole, the second hole, and the third hole are aligned in a straight line, the straight line is substantially parallel with the second divider plate, and the first hole is closer to the third divider plate than the second hole.

Claim 8 (original): The inkjet cartridge as claimed in claim 2, wherein the first hole and the first chamber do not overlap.

Claim 9 (original): The inkjet cartridge as claimed in claim 1, wherein the second chamber is located between the first chamber and the third chamber, and the first exit is located between the second exit and the third exit.

Claim 10 (original): The inkjet cartridge as claimed in claim 1, wherein the second exit and the second chamber are overlapping, and the third exit and the third chamber are overlapping.

Claim 11 (original): The inkjet cartridge as claimed in claim 1, wherein the first chamber and the first exit do not overlap.

Claim 12 (original): The inkjet cartridge as claimed in claim 1, wherein the first chamber, the second chamber, and the third chamber are adjacent to each other.

Claim 13 (original): The inkjet cartridge as claimed in claim 12, wherein the second chamber and the third chamber are located on the same side of the first chamber.

Claim 14 (original): The inkjet cartridge as claimed in claim 1, wherein the seal member is made of the same material as the body.

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Claim 15 (original): The inkjet cartridge as claimed in claim 1, wherein the hardness of a portion, adjacent to the opening, of the body is lower than the other portion of the body.

Claim 16 (original): The inkjet cartridge as claimed in claim 1, wherein the first chamber, the second chamber, and the third chamber are juxtaposed in the body.

Claim 17 (original): The inkjet cartridge as claimed in claim 1, wherein the seal member comprises:

a bottom portion, closely disposed on the opening, for sealing the opening; and
an extended portion extending in the channel and corresponding to the shape of the channel so that the ink in the first chamber flows smoothly in the channel.

Claim 18 (original): The inkjet cartridge as claimed in claim 17, wherein the first chamber includes a through hole abutted by the extended portion of the seal member.

Claim 19 (original): The inkjet cartridge as claimed in claim 1, wherein the first chamber, the second chamber, the third chamber include a first inlet, a second inlet, a third inlet respectively, the ink flows into the first chamber, the second chamber, the third chamber through the first inlet, the second inlet, the third inlet respectively, and the inkjet cartridge further includes a cover for sealing the first inlet, the second inlet, and the third inlet.

Claim 20 (original): The inkjet cartridge as claimed in claim 1, further comprising:
a fourth divider plate for separating the first chamber and the second chamber; and
a fifth divider plate for separating the second chamber and the third chamber, wherein
the fourth divider plate is not parallel with the fifth divider plate.

Claim 21 (original): A structure for an inkjet cartridge with a plurality of partitions, comprising:
an integrally formed body including a first chamber, a second chamber, a third chamber,
a first exit, a second exit, a third exit, an opening, and a channel, wherein ink is received in the first chamber, the second chamber, and the third chamber respectively, the second chamber communicates with the second exit so that the ink in the second chamber flow directly to the second exit, the third chamber communicates with the third exit so that the ink in the third chamber flow directly to the third exit, the channel communicates the first chamber and the first exit so

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that the ink in the first chamber flows to the first exit via the channel, and the body and the channel are a unitary member.

Claim 22 (original): The structure as claimed in claim 21, wherein the second chamber is located between the first chamber and the third chamber, and the first exit is located between the second exit and the third exit.

Claim 23 (original): The structure as claimed in claim 21, wherein the second exit and the second chamber are overlapping, and the third exit and the third chamber are overlapping.

Claim 24 (original): The structure as claimed in claim 21, wherein the first chamber and the first exit do not overlap.

Claim 25 (original): The structure as claimed in claim 21, wherein the first chamber, the second chamber, and the third chamber are adjacent to each other.

Claim 26 (original): The structure as claimed in claim 25, wherein the second chamber and the third chamber are located on the same side of the first chamber.

Claim 27 (original): The structure as claimed in claim 21, wherein the hardness of a portion, adjacent to the opening, of the body is lower than the other portion of the body.

Claim 28 (original): The structure as claimed in claim 21, wherein the first chamber, the second chamber, and the third chamber are juxtaposed in the body.

Claim 29 (original): The structure as claimed in claim 21, wherein the first chamber, the second chamber, the third chamber include a first inlet, a second inlet, a third inlet respectively, the ink flows into the first chamber, the second chamber, the third chamber through the first inlet, the second inlet, the third inlet respectively.

Claim 30 (new): The inkjet cartridge as claimed in claim 21, further comprising:
a chip including a first hole, a second hole, and a third hole; and
a first divider plate for separating the first chamber and the second chamber, wherein the first hole, the second hole, and the third hole are aligned in a straight line, the straight line is substantially parallel with the first divider plate.

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Claim 31 (new): The inkjet cartridge as claimed in claim 21, further comprising a chip including a first hole, a second hole, and a third hole; wherein the third hole is located between the first hole and the second hole, the second hole and the second exit are overlapping, and the third hole and the third exit are overlapping.

Claim 32 (new): The inkjet cartridge as claimed in claim 31, further comprising:

- a second divider plate for separating the second chamber and the third chamber; and
- a third divider plate for separating the first chamber and the second chamber.

Claim 33 (new): The inkjet cartridge as claimed in claim 32, wherein the first hole, the second hole, and the third hole are aligned in a straight line, the straight line is substantially parallel with the second divider plate, and the first hole is closer to the third divider plate than the second hole.